

## CLAIMS

What is claimed is:

- 1           1.       A method for providing an automated report in a computer based  
2 system, comprising:  
3           identifying diagnostic findings commonly repeated in reports of a specific  
4 type;  
5           translating the identified findings into a reporting language;  
6           inserting the translated findings into a language encoded database; and  
7           using the language encoded database in a physician-directed iterative process  
8 to identify diagnostic findings responsive to a plurality of observed images.
  
- 1           2.       The method of claim 1, wherein identifying comprises analyzing a  
2 plurality of reports generated at a particular site.
  
- 1           3.       The method of claim 1, wherein identifying comprises analyzing a  
2 plurality of reports generated in response to a particular study.
  
- 1           4.       The method of claim 1, wherein translating comprises modifying the  
2 text of a diagnostic finding used to generate a report product wherein the report  
3 product is in a reporting language different from that used in a computer based  
4 interface.
  
- 1           5.       The method of claim 1, wherein using comprises verifying that a  
2 diagnostic finding is encoded with a language identifier indicative of a match with an  
3 operator desired reporting language before adding the diagnostic finding to a report.
  
- 1           6.       The method of claim 1, wherein using comprises verifying that a  
2 diagnostic finding is encoded with a language identifier indicative of a match with an  
3 operator desired reporting language before adding the diagnostic finding to a finding  
4 set.

1           7.       The method of claim 1, further comprising:  
2           providing access to a multi-lingual reporting physician to an editor, wherein  
3           the physician generates customized diagnostic findings in a desired reporting  
4           language.

1           8.       The method of claim 6, wherein using comprises associating the  
2           diagnostic finding set with a desired reporting language.

1           9.       The method of claim 7, wherein the customized diagnostic findings  
2           derive from a previously approved set of diagnostic findings in the reporting  
3           physician's desired reporting language.

1           10.      The method of claim 8, wherein using comprises associating the  
2           diagnostic finding set with a desired study.

1           11.      A computer based diagnostic reporting system, comprising:  
2           means for providing a plurality of diagnostic findings in a text form conducive  
3           for use in a diagnostic report;  
4           means for translating the plurality of diagnostic findings in a reporting  
5           language;  
6           means for supplying the plurality of diagnostic findings in the reporting  
7           language; and  
8           means for selectively applying the plurality of diagnostic findings to generate  
9           the diagnostic report.

1           12.      The system of claim 11, wherein the providing means comprises  
2           storing a plurality of diagnostic findings generated by a supervising physician skilled  
3           in the analysis of a study.

1           13.      The system of claim 11, wherein the translating means comprises  
2           storing a plurality of diagnostic findings in a reporting language different from the  
3           language used in a computer interface.

1           14.    The system of claim 11, wherein the supplying means comprises  
2 selectively retrieving the stored plurality of diagnostic findings in the reporting  
3 language.

1           15.    The system of claim 11, wherein the applying means comprises a  
2 medical report generator configured to format the plurality of diagnostic findings in a  
3 pre-determined report format.

1           16.    The system of claim 13, wherein the plurality of diagnostic findings are  
2 generated by a multi-lingual physician skilled in the analysis of a study.

1           17.    A software application driven report generation system, comprising:  
2           a user interface operable to receive a report template, a plurality of diagnostic  
3 findings, and inputs from an operator, the user interface further programmed to  
4 provide an output indicative of a report;  
5           a decision logic engine operable to receive the output from the user interface,  
6 and the plurality of diagnostic findings, and to evaluate the inputs from the operator,  
7 wherein the decision logic engine provides an output indicative of a formatted version  
8 of the desired report; and  
9           a renderer configured to receive the output indicative of the formatted version  
10 of the desired report and to generate a signal compatible with the report output device.

1           18.    The system of claim 17, wherein the software application is  
2 programmed to store data associated with a particular report and operative to  
3 selectively retrieve and regenerate the stored report.

1           19.    The system of claim 17, wherein the software application is configured  
2 with logic for verifying that a plurality of diagnostic findings selected for inclusion in  
3 a report are reflective of the same reporting language.

- 1           20.    The system of claim 19, wherein the software application is configured
- 2   with logic that permits a multi-lingual reporter to edit diagnostic findings in a desired
- 3   reporting language.

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